



Practice

4.4 Measures of Central Tendency

Find the mean, median, mode(s), and range for each data set.

1. 13, 13, 10, 8, 7, 6, 4, 5

mean _____ median _____ mode(s) _____ range _____

2. 20, 30, 35, 24, 36, 47, 48

mean _____ median _____ mode(s) _____ range _____

3. 2, 5, 4, 1, 6, 7, 4, 3, 2, 1

mean _____ median _____ mode(s) _____ range _____

4. 130, 140, 135, 125, 160, 175

mean _____ median _____ mode(s) _____ range _____

5. 16, 18, 39, 200, 31, 39

mean _____ median _____ mode(s) _____ range _____

The Sleep Shop conducted a survey to determine the average number of hours that people sleep at night. The results are shown at right. Use this data for Exercises 6–12.

Number of Hours Spent Sleeping at Night				
5	8	6	7	4
9	8	7	5	9
8	10	7	7	8
6	8	8	7	8
9	8	7	5	9
10	7	8	8	6

6. Make a frequency table for the data.

Find the measures of central tendency for the data.

7. mean _____ 8. median _____ 9. mode _____ 10. range _____

11. Which measure of central tendency do you think gives the best indication of the number of hours the “typical” person spends

sleeping each night? Explain. _____

12. Suppose that another person was surveyed and said that he spends 3 hours sleeping at night. How would this affect the mean, median,

mode, and range? _____
